

## KDL-40R450A

Sony® R450 Series LED HDTV

Introduce your home to the true beauty of Sony HD. Full HD 1080p image detail and bright LED backlighting are just the foundation for a great picture. Everything moves naturally with Motionflow™ XR 120 technology that delivers clear, realistic sports and movie action. Smartphone ready - video, photos and apps on the phone are re-sized and scaled to fit the larger TV screen while charging<sup>1</sup>.



### Full HD 1080p

Nothing expresses crystal-clear detail like Full HD 1080p picture quality. Take advantage of the all-out HD glory of broadcast TV, satellite and other HD sources like your Blu-ray Disc™ player or PlayStation®3 entertainment system.

### Bright and slim

Powerful yet thin LEDs deliver a brighter picture than conventional LCD backlighting. They also help achieve a slimmer TV design that looks beautiful in your home. What's more, Sony's Direct LED Backlight technology delivers outstanding contrast, rich colors and enhanced dark-scene detail.

### Silky smooth

Recreate the movement of real life. Sprinters accelerate clearly with less blur, so watching from home feels like you're watching from the stands. By minimizing judder, Motionflow™ XR 120 technology helps fast-paced action look natural for a more authentic view of the game.

### Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With the smartphone ready R450, Sony is helping you add value to the entertainment you already own. Using a Mobile High Definition Link cable, you can connect your smartphone to the TV to literally "mirror" what's seen on the smartphone screen. Video, photos and apps are re-sized and scaled to fit the larger TV screen. You can then use the TV remote to navigate the phone, while it's charging from the TV.<sup>1</sup>

### USB input for your camera and more

Share your vacation photos instantly on the big screen or listen to your favorite music. Simply connect your compatible digital camera, USB-enabled MP3 player or USB storage device directly to your HDTV's USB input. It's a fast and simple way to relive the memories without a hassle. Even choose between slideshow, clock and calendar viewing modes.

### Clearly different.

Fine details and textures appear in whatever you're watching, even in flat areas. Powered by Sony's advanced noise reduction algorithm, this technology boosts image clarity with heightened contrast and depth that you won't find on most televisions.

### Photos on the big screen

## Specifications

3D Features	
Simulated 3D	Passive
Audio	
Audio Power Output	Bottom
Speaker Configuration	10W + 10W
Speaker Position	Yes
Audio Features	
5.1 Channel Audio Out	Variable/Fixed

5.1ch Through Out (Handycam)	Yes
Advanced Auto Volume	Yes
Alternate Audio (Digital)	MTS(AUTO SAP)
Clear Phase Speaker	Full Range (45x200mm) x2
FM Radio	Yes(Audio only)
Headphone/ Speaker Link	Yes

Sound Mode	Yes
SRS®	Dolby Digital, Dolby Digital Plus, Dolby Pulse
SteadySound® Automatic Volume Control	Yes
Stereo System	Yes
Broadcast Features	

Teletext	Yes
Convenience Features	
Auto Shut-off	Yes
BRAVIA® Sync™	Yes
Channel Block (with password)	Yes
Channel Jump	Yes
Channel Surf	Yes
Control for HDMI™ (HDMI™ CEC)	Yes
Favorites	Yes
Info Banner	Yes
Input Skip	Yes
Label Inputs	Yes
On/Off Timer	Yes
On-Screen Clock	Yes
On-Screen Display for External Input	English/Spanish /French
Panorama	PAP(Fixed),PIP
Parental Control	Yes
Picture Adjustments Lock	Yes
Picture Frame Mode	Yes (USB viewer supports FAT16, FAT32 and NTFS file systems.)
Show/Hide Channels	Yes
Sleep Timer	Yes
USB HDD Rec	Integrated
USB Play	Yes
USB Play (Contents)	Yes
USB Super Multi-Format Play	MPEG1/ MPEG2TS/ MPEG2PS/ MPEG4Visual/
Sense of QUARTZ	Steel Rod / Chrome Plating
Design Features	
Stand Design	-
Display Features	
Backlight Type	Edge LED

Dimming Type	Frame Dimming
Display Device	LCD
Display	
Aspect Ratio	16:9
Display Resolution	Full HD
Dynamic Contrast Ratio	over 1 million
Screen Size (cm)	152.5 cm
Screen Size (measured diagonally)	60"(60")
Viewing Angle (Right/Left)	176(88/88)
Viewing Angle (Up/Down)	176(88/88)
Energy Saving & Efficiency	
Backlight Off Mode	Yes
Dynamic Backlight Control	Ver6
Energy Saving Switch	Yes
Energy Star® compliant	(TBD)
Power Consumption (Standby Mode) for Energy Star	(TBD)
Inputs and Outputs	
MHL	-
One-touch Remote Control	-

1. Requires Mobile High Definition Link-compatible smartphone to be connected to the TV with a Mobile High Definition Link cable, sold separately.

2. Cables sold separately.

© 2012 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited.

Sony, BRAVIA, Motionflow and the Sony make.believe logo are trademarks of Sony.

PlayStation is a trademark of Sony Computer Entertainment Inc. Blu-ray Disc is a trademark. Android is a trademark of Google Inc. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice.

/Updated: January 22, 2013